SUBJECT AND AUTHOR INDEX

VOLUME XVI

	Page
Abrasives in Ohio, natural and artificial	157
ADAMS, On effect of pressure on marble	11
Agencies of alteration of glacial sediments	5
Analysis for establishing standard of purity of water in wells	119
Appalachian mountain-making movement	370–388
Appalachian route to Ohio	405
Ashtabula river	393
Astronomy, history of	353
Black river	394
Blast furnaces in Ohio, statistics of	140
Building stones of Ohio	143
Calymene abbreviata, sp. nov	83
Calymene callicephala, Green	83
Calymene meeki, nom. nov	84
Calymene meeki-retrorsa	85
Calymene senaria, Conrad	82
Calymene platycephala, sp. nov	81
Cambrian glaciation	209
Canal construction in Ohio	128
CARNEY, FRANK, Abandoned shorelines of the Oberlin Quadrangle, Ohio	101
Abandoned shorelines of the Vermilion Quadrangle, Ohio	233
Economic mineral products of Ohio	137
Geographic conditions in the early history of the Ohio country	403
Geologic development of Ohio	365
Glaciation in Ohio	183
Metamorphism of glacial deposits	1
Relief features of Ohio	381
Transportation in Ohio	125
Case of pre-glacial stream diversion near St. Louisville, O	339
Catazyga headi-schuchertana, Ulrich	32
Catazyga uphami-australis, var. nov	31
Cements in Ohio,—natural, Pozzuolane and Portland	156
Chagrin river	393
Chamberlin and Salisbury's Geology	1,7,9,193,205
Cincinnati arch	374
Clark, George Rodgers, campaign of	417
CLARK, HOWARD, A case of pre-glacial stream diversion near St. Louisville, Ohio	339

Page
Clay in Ohio 170
Clay, properties of 171
Clidophorus, sp 73
Clitambonites rogersensis, Foerste 69
Coal, origin of 177
Coal in Ohio 173
Conneaut creek 392
Conodarcium richmondensis, sp. nov 71
Contribution of Astronomy to general culture 353
Crania granulosa-cumberlandensis, var. nov 41
Cryptolithus tesselatus, Green 78
Crytoceras hitzi, sp. nov 78
Cuyahoga river 394
Cyclocoelia crassiplicata, sp. nov 36
Cycloelia ella, Hall 36
Cycloelia sectrotiata, Ulrich 37
Cycloelia sordida, Hall 36
Cyrtocerina madisonensis, Miller 74
Davis, W. M., reference to 387,397
Davison, A. W., Thermo-electric Couples 245
Dalmanites carleyi-rogersensis 85
Devonian in Ohio 13
Drainage cycles-Maumee, Whittlesey, Warren and Lake Erie base-levels 114–7
Dunmore's Indian War 417
Dytactospongia madisonensis, Foerste 20
Earth origin, Nebular hypothesis 368
Earth origin, Planetesimal hypothesis 369
Economic mineral products of Ohio 137
England's claim to Ohio 411
Erie canal 128
Foerste, Aug. F., Preliminary notes on Cincinnatian and Lexington fossils of Ohio, Indiana, Kentucky, and Tennessee 17
Foote, Earl Harrington, A study of the supposed hybrid of the black and shingle oaks 315
French and Indian War 412
French claim to Ohio 409
Frost, Edwin B., The contribution of astronomy to general culture 353
Galvanometer, standardization of 251
Geographic conditions in the early history of the Ohio country 403
Geological relations of salt in Ohio 151
George III's "royal domain" and the Quebec act 413
Glacial erosion 190
Glacial motion 188
Glaciers, work done by 190
Glass sand in Ohio 153
Grand river 393
Great Miami river 396

Page
Hebertella alveata-richmondensis 55
Hebertella occidentalis, Hall 53
Hebertella sinuata, Hall 52
Hebertella subjugata, Hall 54
Hocking river 399
Huron river 395
Immigration routes to Ohio 126
Iron in Ohio 139
Iroquois Confederacy 408
Labechia (?) corrugata, sp. nov 86
Lake Erie drainage 392
Lake Erie, origin of 217
La Salle 406
Leptaena tenuistriata, Sowerby 45
Leptobolus lepis-cliftonensis, var. nov 21
Lime in Ohio and its uses 155
Lingula covingtonensis, Hall and Whitfield 22
Lingula modesta, Ulrich 22
Lingula waynesboroensis, sp. nov 23
Little Beaver river 400
Little Miami river 397
Lower Maumee stage of Maumee shoreline 103
Mahoning river 400
Mark, Clara Gould, The Mercer limestone and its associated rocks in the Newark-Zanesville region 267
Maumee river 396
Mercer limestone and its associated rocks in the Newark-Zanesville region. 267
Metamorphism 372
Metamorphism of glacial sediments of Pleistocene period in central New York and northern and central Ohio 1
Miami canal 128
Mississippian in Ohio 378
Mohawk route to Ohio 404
Muskingum river 399
National Road through Ohio 134
Natural gas in Ohio 158
Nebular hypothesis of LaPlace 368
Northwest Territory 420
Oberlin Quadrangle, Ohio, abandoned shorelines of 101
Ocean sediments 368
Ohio canal 128
Ohio, physiographic regions 384
Ohio river, development of 392
Ohio river drainage 396
Oil and gas, origin of 167
Oil in Ohio, early history 162
Opisthoptera concordensis, sp. nov 70

	Page
Ordovician fossils	89
Ordovician in Ohio	376
Orothceras (Dawsonoceras) hammelli, sp. nov	74
Orthoceras (Loxoceras) milleri, sp. nov	76
Orthoceras (Ormoceras) hitzi, sp. nov	77
Orthoceras (Spyroceras) bilineatum-frankfortensis, sp. nov	75
Orthorhynchula linneyi, James	24
Pasceolus camdenensis, sp. nov	85
Peace of Paris, 1783	418
Pennsylvanian in Ohio	378
Permian glaciation	209
Permian in Ohio	379
Piracy, river	386
Platystrophia acutilirata, Conrad	65
Platystrophia clarksvillensis, sp. nov	65
Platystrophia colbiensis, sp. nov	55
Platystrophia colbiensis-mutata, var. nov	56
Platystrophia colbiensis-precursor, var. nov	57
Platystrophia crassa, James	59
Platystrophia cypha, James	61
Platystrophia laticosta, Meek	58
Platystrophia morrowensis, James	60
Platystrophia profundosulcata, Meek	58
Plectorthis dichotoma, Hall	49
Plectorthis equivalvis, Hall	46
Plectorthis fissicosta, Hall	48
Plectorthis jamesi, Hall	50
Plectorthis neglecta, James	52
Plectorthis plicatella, Hall	49
Portage river	395
Pottsville formation in Ohio	267
Preliminary notes on Cincinnatian and Lexington fossils of Ohio, Indiana, Kentucky and Tennessee	17
Properties of building-stone	143
Proterozoic glaciation	208
Pterinea (Caritodens) demissa, Conrad	71
Quercus imbricaria, microscopic study of	323
Quercus leana, historical sketch of	315
Rafinesquina declivis, James	43
Rafinesquina winchesterensis, sp. nov	42
Relief features of Ohio	381
Remote drainage of Ohio	387
Rhynchotrema dentata, Hall	29
Rhynchotrema dentata-arnheimensis	27
River history	385
River sediments	374
Rocky river	398

Page

Salt in Ohio 148
Salt, origin of 152
Sandusky river 395
Schizocrania filosa, Hall 40
Schizocrania rudis, Hall 40
Scioto river 397
SEFTON, LILY BELL, Standardization of well-water in the vicinity of Granville, Ohio 119
Shoreline features in vicinity of North Amherst 107
Shore lines, geographic influences of 229,243
Shore lines, post-glacial tilting of 230
Silurian in Ohio 377
St. Lawrence route to Ohio 404
Standardization of well-water in the vicinity of Granville, Ohio 119
Study of the supposed hybrid of the black and shingle oaks 315
Suecoceras inaequabile, Miller 73
Swazey observatory 347
Thermo-currents, cause of 249
Thermo-electric couples 245
Transportation in Ohio 125
Trematis fragilis, Ulrich 38
Trematis punctostriata, Hall 37
Upper Maumee stage of Maumee shoreline 102
Vermilion river 395
Virginia, claim to Ohio area 416
Virginian expedition to Ohio 407
Warren shoreline 111
Western route to Ohio 403
Whittlesey shoreline 106
WILSON, HERBERT C, The Swazey Observatory, Denison University 347
Zygospira cincinnatiensis, Meek 30
Zygospira modesta, Hall 29